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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/945,484      | 08/30/2001  | Harald Hundt         | P99,0252-01         | 6191             |

2,6574 7590 05/28/2003

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EXAMINER

MEFKS TIMOTHY HOWARD

ART UNIT

PAPER NUMBER

1762

DATE MAILED: 05/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/945,484

Applicant(s)

HUNDT, HARALD

Examiner

Timothy H. Meeks

Art Unit

1762

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/242,590.
- ☐ Copies of the certified copies of the priority documents have been received by the National Stage application from the International Bureau (PCT Rule 17.2(a)).
- See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2
- 4) ☐ Interview Summary (PTO 413) Paper No(s) \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other \_\_\_\_\_

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## DETAILED ACTION

### *Priority*

Acknowledgment is made of applicant's claim for foreign priority under 35

U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/242,590, filed on 19 February 1999. ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 07-211530 in view of Humphrey et al. (5,201,956).

JP '530 discloses a process comprising depositing parylene polymers on a tape wound core from the vapor phase (English translation at pages 6-7). Tape of amorphous alloy is disclosed at page 9 of the English translation.

JP '530 is silent as to the specific parylene vapor phase coating method used and therefore fails to disclose deposition in a rotating drum under vacuum. However, because Humphrey discloses that such drum coating wherein parylene dimer is vaporized, cracked to form monomer, and the monomer vapor introduced into the rotating drum, condensed on the simultaneously under vacuum (figures 1 and 2, col. 1, line 40 to col. 2, line 35), and as coating a plurality of the cores at once would have the obvious advantage of increased throughput, it

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would have been obvious to have used the drum coating process to coat parylene onto the tape wound cores to allow for increased process throughput.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over JP '530 in view of Humphrey et al. as applied to claims 1-3 above, and further in view of Hatch (4,960,050).

The teachings of the primary references are cited above. It is further noted that Humphrey discloses at col. 4, lines 60-68 that the dimer is vaporized at typical pressures used in the process and at temperatures of 80-200 C and at col. 5, lines 5-10 that the dimer is pyrolyzed at typical pressures used in the parylene process and temperatures of 650-750 C. The range of temperatures for these steps overlap with the ranges for temperature in claim 4. It would have been obvious to select the overlapping values in the ranges with a reasonable expectation of their being operable and successful. With respect to pressure, Hatch discloses at col. 6, lines 5-15 that the parylene dimer is generally vaporized at 0.1 to 1 Torr and pyrolyzed at a slightly lower pressure. Therefore, use of the claimed pressures for these steps would have been obvious with a reasonable expectation of their being operable and successful.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy H. Meeks whose telephone number is (703) 308-3816. The examiner can normally be reached on Mon., Tues., Thurs.(6-6:30), Fri.(6:30-10:30).

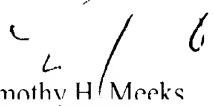
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shriv. P. Beck, can be reached on (703) 308-2211. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

  
Timothy H. Meeks  
Primary Examiner  
Art Unit 1762

nf  
May 27, 2003